Page / of /

GROUNDWATER INDEX

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
5	me William Kraute	37 2	21660	
9	Clea Ruly T	2773	16419	
12	Donesttage Can Cx Remark	2774	16770	
1.3	Walke of milled and	J714	173 90	
	Son Share			
12	Worling Wildred	9712	17389	
20	Stephen James Rolling	214	17118	· .
21	Walley Grider H	114	17391	
22	Macie, milled It.	127F.Z	173 88	**
28	Miles, Mildeel	2 77 2	12387	
32	Beach Janes J	2 m4	12147	
5/	Bexce Ganes J.	2014	171-12	Lie Letter 39
55	Kattering times	12 71.2	39805	
22	Sucie Coleta Journey	JY JY J	17184	
	Edeth Danisthorpe			
32	Just West Davidtorge	112	13134	
30	Coderacy alle	2 77 4	17234	***************************************
.30	Storeman Daymord	12 my	16.974	
<i>"</i> ?	Loutlick, Stilla 119	8 n.4	16-553	
33	antiger, Kenneth	2114	17825	**
29	Forte Bon Hy Leakin	2114	17648	
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GW 2	1 - 2 < 1		Pola	LS MAY POINT	Sent Police	g Co., Helens, Montar	1a-38496 🚆	3 3
File	No		\mathcal{M}_i	isan i		19 R 1	9	5
וטם	PLICATE					Jounty Largue	<u> </u>	=
			SIA	TETEN	GHADO	ANA	Lilvi	a
	Top of Ground					ndwater coi ngineer	7 6 Fo 20, 196	رك الم
10 6	C (Elev. above son leve	3	Notice of	Compl	etion c	of Ground	. J	1
-	Durface Soil	•·····································		_		eans Soff W		VEER
TC	11. 06.3			-		Session Laws, 196		
13		e ater)	or Mr. Willa					
. 4	5 Sanly Chay	Own	. * . *	f .		11		
4	6 Cool		or Human &	rig. W	·Addres	Trass Pan	ge, mont	
-9	~ .	inkey Clay Date	of Notice of Appro	priation of	Groundwa	in not app	lienble	
-13			well started the				18-64	1
13			1.66	$\int_{\mathbb{R}^{n}}$		Q J	lare	
1, 18		. , (dr	of well bored or	X.	(Churr	nent Used 9 C	J	
4 30			rilled)		other)			
	14 Sand-Custa flo 70 Pentonic San	To 3 July Wat	èr Use: Domestic Industrial	\square M_0	micipal 🔲 ainage 🔲	Other 🗖 Stock 💆	Irrigation	1 🗆
	10 Hay hazur of	. 1	Indicate on the d		character.	and thickness	of the diffe	rent.
"	and Bustonle	Samel strat	a met with in drill	ing, such a	s soil, clay,	shale, gravel, re	ock or sand,	etc.
1. 3	20 Rite Green San	1	v depth at which w ing strata and heig				racter of wa	iter-
103		2 stal nun.	The same of the sa	The same	The second secon		menter. Term	
	Good Pourity	/ Size of Drilled Place	Sire and Weight of Casing	From (Feet)	(Feet)	PERFOR Kind Fro		
43	50 Bent. Sand + She	1 1000 00 6		0	301	Sire (Fe	1	
· 30	65 Shake Stokes	Qn	14/20.011#	214	370		30	
_	Carlynations	Blown. I	8					
10,	Dentoute.				į			
43	70 Have 1. U.	Whether with highlighter forms are a part of						-
-	n		Static Water Level	for non-flo	wing Well	The second secon		feet.
-								
			Shut-in Pressure f					
			Pumping Water Le				gal, per min	iute.
			Discharge in gal. ;	er min, of	flowing we	11 -4/3		
_	W	1	How Tested.	rasena	Leng	tl of Test	Levrous	1
	and the same		Remarks: (Gravel					
-	Carrier III	X		-		ndwater if not a primation, includ		
				•				
	Sw CE	(2) 10				rigation)		
	SW 14SF Sec. 5. Indicate location							1
	place of use, if	possible Each	24/10	reclas	u úc	i' and 2	26	
	small square repre	ments iv acres.						
	Show exact depth of	bottom.			,	26		
	Section	n Danik	en e		Driller	's License Numb	er	
	VEC 1				B. A	1). Mu	nson	,
					Driller	's Signature		

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

21650 COPY

DEP 20 10R4

at 1:55 Ocion P. A.

County Clerk and Kerwiter

File No.

DUPLICATE

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER TALL ENGINEER Top of Ground Notice of Completion of Groundwater (Elev. above sea level. Appropriation by Means of Well Topsoil 30 Clay Sand drift (Under Chapter 237, Montana Session Laws, 1961) 110 Shale White whole hard rock Owner/MM/SWM/ Address Sulfolk, Montana White shale 126 Brown shale Address Lewistown, Montana Driller George C. Singley White shale 129 Hard white Sandstone Silicate Date of Notice of Appropriation of Groundwater Sandy shale Date well started Aug. 18,1963 Date Completed Aug. 27,1963 Sands thin Soft shale small flow water Equipment Used Rotary Type of well Drilled 152 160 210 Hard silicate Sandstone Water (dug. driven, bored or Shale grey and brown drilled) (Churn, drill, rotary or other) 25 25 25 B 225 230 240 260 Sandstone Water 220 Water Use: Domestic 🗍 Municipal [7] Stock 💌 Irrigation [7] Shale Sandstone Water White shaley rock Industrial [Drainage [] Other | Indicate on the diagram the character and thickness of the different 269 Brown shale sandy strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, 273 283 268 Coal Shale coal Sand broken Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well. 283 Sandstone Water 326 326 329 Shale Size and Weight of Casing Size To (Feet) PERFORATIONS (Feet) of Drilled Kind From Size (Feet) 150 1,30 Slote 5/8" 4ID 4台0D 1 toot 328 210 225 11# below ground None Static Water Level for non-flowing Well.... 10# Shut-in Pressure for Flowing Well. Pumping Water Level. None feet at None gal per minute. Discharge in gai, per min. of flowing well 10 gal. per min. How Tested Length of Test. Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation) -Sivy Sec. 9 T/9R/9 Packer set at 130' comented with 5 sacks. Indicate location of well and place of use, if possible. Each small square represents 10 acres. Show exact depth of bottom. #19

This form to be prepared by driller, and three copies to be filed by the ewner with the County Clerk and Recorder in the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator. 7474

State of Montann, Sss.

Approved Stock Form: State Publishing Co., Helena, Montana-18687 💐 3

DUPLICATE

File No ..

County Fergus

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

	Appropriator)	a	(Address)	(Town)
County of	indwater accordi	ng to the Montana la	ws in effect prior to Janua	ry 1, 1962, as follows:
N				
			on which the claim is based	
		stock water an	i domentic upes	
			ite date of earliest benefic	
			as been 1916 — compl	
	P	continuo	us use since 1916	
	-	4. The amount of gr	oundwater claimed (in mir	er's inches or callons
			imated 15 acre feet	
		,		***************************************
		to which water ha	ou, give the acreage and d is been applied and name	of the owner thereof
. 14.58. Sec. 12. T19	R.19.		ck water	
icate point of appropr	iation			
d place of use, if pos ch small square represer	ssible.	6. The means of wi	hdrawing such water from	the ground and the
es.		location of each w	ell or other means of with	drawal
		**********************	****************	***************************************
works for the withdraw	val of groundwa	ter	ch well or the general spec	**.*.************************

m		ith/wa annho	10 acre fest	
The log of formations	encountered in	the drilling of each	vell if available	

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		ure as may be useful	in carrying out the policy	
reference to book and I	mage of any coun		a reservoir for water	ing livestock
reverence to book and p	rage of any count	ty recordthin.is.		ing livestock
reverence to book and j	rage of any count	ty recordthin.is.		ing livestock
reverence to book and i	age of any code	ty recordthin.is.	c of Owner Ramons	ing livestock
ree copies to be filed by		ty record this is	c of Owner Ramons	ing livestock is the pa a. Donisthor or 11, 1963
ree copies to be filed by	the owner with	Signature the County Clerk as	e of Owner. Ramons Date December	a. Lonisthot er 11, 1963
erce copies to be filed by eated.	the owner with If not applicab rk and Recorder	Signature the County Clerk as le, so state, otherwise	of Owner Ramons Date. December	ing livestock School 12 A. Louisthot er 11, 1963 in which the well is

16770 PY

Some and the second sec Lean Recorder 2000 2000 2000 All Clerk and Recorder

T19 1 R 19 L

Courty Fergus

DUPLICATE

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights TATE ENGINEER (Under Chapter 237, Montana Session Laws, 1961)

Tom Sharp & Mildred Mallin of (Address) Christina (Name of Appropriator)
County of Fergus (Town) ...State of Montana

have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as fol-

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w	,				F.
•		Ϋ́			"
	!				
		ş			•

NE 4.5W Sec. 15 T 19 R 19 E Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2.	The beneficial use on which the claim is based
3.	Date or approximate date of earliest beneficial use; and how continuous the use has been January 3, 1962
4.	The amount of groundwater claimed (in miner's inches or gallon per minute) 3 Gal. Per #11.
5.	If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.

thereof (Not Applicable)

 Vindmill &	Pump Jack	 ***********

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Spudded in recember 30, 1961 Completed Jan. 3, 1962

8. The depth of water table 70 Ft.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 5 & 5/8 - 86 Ft.

10. The estimated amount of groundwater withdrawn each year 40,000 Berrels.

The log of formations encountered in the drilling of each well if available. Spudded into the Judith River Formation & T.D. in the same. the company of the company of the contract of

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.

Signature of Owner States

Three copies to be alled by the owner with the County Clerk and Recorder of the county in which the well is

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

17316

COPY State of Montana, County of Fargue) ss.

Filed DEC 30 1003 19

at 2.35 o'clock Royal.

p. County Clerk and Recorder

17389	West with	
File No.		County Fe again
DUPLICATE		County. Fe requir
		F MONTANA GROUNDWATER CODE
Top of Ground	OFFICE OF S	TATE ENGINEER
(Elev. above sea level	, Notice of Comple	tion of Groundwater
	Appropriation b	y Means of WALLINEER
Grand Sunday	(Under Chapter 237, Mo	ontana Session Laws, 1961)
5/10/2	Owner Maller Wall.	Address Chartan Mart
		Address Stanford, Mont
-	Date of Notice of Appropriation of	•
		Date Completed & 3 3 6 3
sto Die e th	,	,
Some the would have	Type of well E (dug, driven, bored or	quipment Used. To take You (Churn, drill, rotary or
	drilled)	other)
		cipal 🗀 Stock 💢 Irrigation 🗍
Hard Stille	Indicate on the diagram the ch	naracter and thickness of the different
To Shall		s soil, clay, shale, gravel, rock or sand, encountered, thickness and character of
2.6.7	water-bearing strata and height to	
Tax or	Size Size and From of Weight of (Feet)	To PERFORATIONS
	Drilled Casing	Kind From To Size (Feet) (Feet)
	4 2	30 Sletis 130
Jan Jan Hi	8:" 76 Gal. Q. 1	30 LX4 45- 130
N Jaintin	- = (/	
wate	(= 5 9	
Batton	Static Water Level for non-flo	owing Well 25 feet.
	Shut-in Pressure for Flowing	
	Pumping Water Level /25	
	* **	
w	Discharge in gal, per min. of f	Length of Test.
×	How Tested	Length of Test * 3
		menting, packers, type of shutoff, loca- of groundwater if not at well, and any
		nent information, including number of
m= 5 = 14 "	acres irrigated, if us	
Indicate location of well	and Packer 3	set at 36
place of use, if possible. I small square represents 10 a	Each	en e
130'		
Show exact depth of bottom.		الله الله الله الله الله الله الله الله
		Driller's License Number
		Driller's Signature
		Prince o biguarase

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located.

Please answer all questions, If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

17315

State of None on the COPY

Filed DFF 30 120 15

at 2 35 o'clock P.M.

\$2.00 MAY RATHEUN
County Clerk and Recorder

Approximate the Superference of the Lie Montroval $\frac{1}{2}$ of $\frac{1}{2}$.

File No.

DUPLICATE

County Fergus

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights TATE ENGINEES

	(Unde	r Chapter 237, Montana Session Laws, 1961)
	(Name of Appropria	Stephens (man wife) Lewistown, 910 w.January St. (Town) State of Montana laws in effect prior to January 1, 1962, as follows:
Indi and	N 1/4 Sec20 10 R10 cate point of appropriation place of use, if possible. Each ll square represents 10 acres. The date of commencement and drawal of groundwater	2. The beneficial use on which the claim is based rouse for cock 2. Date or approximate date of earliest beneficial use; and how continuous the use has been 1913 Year, continuous. 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 12 Gal. per minutes. 5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof line not been used for irrigation. 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Flec. pump. Each continuous.
8.	The depth of water table	12 Ft.
9.	So far as it may be available, twocks for the withdrawal of ground	he type, size and depth of each well or the general specifications of any other ndwater hand dug, depth 12 feet.
10.	The estimated amount of ground	water withdrawn each year about 50,000 Gals.
11.	The log of formations encountered	d in the drilling of each well if available dirt, gravel and rock.

reference to book and page of any county record po not have any.

Signature of Owner Tay the said Selection Date / 2 - 27 - /. 3

Three copies to be tiled by the owner with the County Clerk and Recorder of the county in which the well is located.

12. Such other information of a similar nature as may be useful in carrying out the policy of this ret, including

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator. 14350

August 12

17118 COPY,

Filed DEC 2 7 1963

Filed DEC 2 7 1963

County Clerk A. M.

County Clerk and Recorder

200 px

File No. 17391

DUPLICATE

T. 19 N R 19 E.
County Fergus

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights LIVGINEER

	er Chapter 237, Montana Session Laws, 1981) Walley of Christina, Montana Session Laws, 1981) (Address)
have appropriated groundwater a	coording to the Montana laws in effect prior to January 1, 196, as follows:
N	2. The beneficial use on which the claim is based to the claim is based.
w X	3. Date or approximate date of earliest beneficial use: and how continuous the use has been Quit. 3, 1960 continuous the use has been Quit.
	4. The amount of groundwater claimed (in miner's inches or gallons per minute)
1 × 5	5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
E 1/1 Sec. 2/ T. 19 R. 19	
Indicate point of appropriation and place of use, if possible. Each	
small square represents 10 acrea.	6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
	Electric pump
7. The date of commencement and drawal of groundwater. 3, 19	d completion of the construction of the wells, wells, or other works for with-
	the type, size and depth of each well or the general specifications of any other undwater
would arther y	12 gale com 5 138
•••••	
10. The estimated amount of ground	lwater withdrawn each year such house
There 198	of in the drilling of each well if available. Speedded one to the
12. Such other information of a sum	ilar nature as may be useful in carrying out the policy of this act, including by county record
	Simulation of States of States of
	Signature of Owner Letter July 1965
There evering to be filed by the evenen	with the County Clerk and Royarder of the county in which the well is larger?

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Burcau of Mines and Geology, and Quadruplicate for the Appropriator

17317

Policy of Process of 1863

Filed DEC 301863

Filed DEC 301863

MAY RATHBUN

Gounty Clerk and Recorder

GW 2	(European)
Pile No. 17388	T.19 R.19 6
DUPLICATE	
Top of Ground	ADMINISTRATOR OF GROUNDWATER CODE
(Elev. above sea level	Notice of Completion of Groundwater
Type with inen can	Appropriation by Means Ade Well GINEER
	(Under Chapter 237, Montana Session Laws, 1961)
	Owner Million Wallin Address Christing Wint
- 2 2	Driller C. Triatelier Address Stanford Mant
- Landy day	Date of Notice of Appropriation of Groundwater 5. 2 1463
- 2	Date well started 85 - 63 Date Completed 9-3-63
1-1- ac 7	Type of well Equipment Used Notory
	(dug, driven, bored or (Churn, d.ill, rotary or other)
	Water Use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐ Industrial ☐ Drainage ☐ Other ☐
	Indicate on the diagram the character and thickness of the different
	strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of
- Care	water-bearing strata and height to which the water rises in the well.
No addition	of Weight of (Feet) (Feet) PERFORATIONS tilled Caving Figure 170
	tole 4 0 233 Size (Feet) (Feet)
- Ela sand 8	1 5/0+5 170 2.53
- El - war	7 lb
	galer
- Chon asi	Static Water Level for non-flowing Well 65 feet
	Static water bever lot non-nowing wen
	Shut-in Pressure for Flowing Well
	Pumping Water Level
w	Bischarge in gal, per min. of flowing well How Tested Caller Length of Test.
X P	How Tested
	Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any
	other similar pertinent information, including number of
1/21/4 1/4 1/4 22T 19R 1	acres irrigated, if used for irrigation)
Indicate location of well an	d
place of use, if possible. Eac small square represents 10 acres	
	67
Show exact depth of bottom.	Driller's License Number
	OC Thateh
	Driller's Signature

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

COPY

State of Montana, County of Fergus 35.

Filed DEC 30 1863 19

of 3'35 o'clock R.M.

\$2.00 Lung Retitling
County Clerk and Recorder

GW 2	
File No. 17387	outh well) T 19 R 19 E
DUPLICATE	ceth week
Top of Ground (Elev. above sea level)	ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER Notice of Completion of Groundwater
	Appropriation by MeSis TEWENGINEER
Brohale	(Under Chapter 237, Montana Session Laws, 1961) ner Mildred Wallin Address Christina
Dri Dri	ller O. C. Thatcher Address Stanford
	e of Notice of Appropriation of Groundwater 5 pt. 4, 1763
	e well started 8-13-63 Date Completed 8-18-63
) January	be of well drilled Equipment Used rotary or other) Equipment Used rotary or other)
Shale Wa	ter Use: Domestic
stra	Indicate on the diagram the character and thickness of the different da met with in drilling, such as soil, clay, shale, gravel, rock or sand,
general Salas Shalas wat	Show depth at which water is encountered, thickness and character of er-bearing strata and height to which the water rises in the well.
with layers of soal Size thand sands to Drilled	Size and From To PERFORATIONS Casing Kind From To
(water) 109 & Hole	Size (Feet) (Feet)
8	728 Gal. 0 104 4X4" 55 104
	casing 5/otts
N N	Static Water Level for non-flowing Well
X	Shut-in Pressure for Flowing Well
	Pumping Water Level 100 feet at 3 5 gal. per minute.
w E	Discharge in gal, per min. of flowing well
	How Tested Bailer Length of Test. 3 be
	Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of
7 8 /4 8	acres irrigated, if used for irrigation)
Indicate location of well and place of use, if possible. Each	Packer Set at 38'
small square represents 10 acres.	
Show exact depth of bottom.	Driller's License Number

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located.

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Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

17313

Charles Signature

Pled DEC 30 1963

Pled DEC 30 1963

Pled DEC 30 1963

Pled DEC 30 1963

County Clerk and Recorder

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o 17147	Appr	raved Stock Torm -State Pun (Glaric Co., Helena, Montana42234) 👟 🎉
File No.		T. 19 R. 19 31
DUPLICATE		County Fergas
	STATE OF MOI ADMINISTRATOR OF GRO OFFICE OF STATE	NTANA DUNDWATER CODE
	ration of Vested G (Under Chapter 237, Montana	Froundwater Rights
(Name of App County of Fergus	N25 , of	(Address) (Town)
County of Fer 945 have appropriated groundwa	to the little to	
N , Jy	2. The beneficial	use on which the claim is based Lives tock
70 47	3. Date or appround the use h	eximate date of earliest beneficial use; and how continu-
" 21/3	- 1958 -	July - Summer use - CATTLE
31 -2.	4. The amount per minute)	eximate date of earliest beneficial use; and how continuas been Level Continuous Ly - Summer use - CATTLE MArch Continuous of groundwater claimed (in miner's inches or gallons 1 - 1911 min - 22 - 3 941 fine 81/MIN - 24 - 2784 film
1.2.3 - SE'M SW'45-29-19	5. If used for in to which wat	rrigation, give the acreage and description of the lands ter has been applied and name of the owner thereof
NU1/NU1/Sec. 31 T. 19 R. 19		7000
Indicate point of appropriation and place of use, if possible. Easuall square represents 10 acres	ch cs. 6. The means of	withdrawing such water from the ground and the loca- fell or other means of withdrawal way - 43 44 - submersible electric pumps
7. The date of commencement drawal of groundwater	the and completion of the const	truction of the well, wells, or other works for with-
8. The depth of water table	20 ft. For all	wells
	able, the type, size and depth.	of each well or the general specifications of any other
		3 4 # 4
1- 21 36" Cu 1- 90' 5" Ca 10. The estimated amount of g	sing drilled - the roundwater withdrawn each ye	2 400 pop-71, 100 25400, 571, 700
11. The log of formations encountries	intered in the drilling of each	well is possible AIAILABLE
		· · · · · · · · · · · · · · · · · · ·
12. Such other information of reference to book and page	a similar nature as may be u of any county record	seful in carrying out the policy of this act, including
	· · · · · · · · · · · · · · · · · · ·	
	Sign	Date 12/27/63
		Date

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned,

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

17147 COPY

Filed DEC 27 1963

or 2:20 Michael County Clerk and Recorder

Sagarph.

GW 2 (4605		Approved	Stock Form-	-State Publish	ing Co., Helena	, Montana505	521
File No				Т		·) & 1	
DUPLICATE				Con	nty	?. 	
Log		ADMINISTE		OF MON		arran s	
Top of Ground					ATION BO		
(Elev. above sea level) N ot	tice of C	omple	etion o	of Grou	undwai	ter
1 25 Clay sand gravel	4	Appropri		•			
25 30 Yellow sandy clay	/1° 3				TARY 1,		راتمات
30 35 Blue clay -35 45 Sandy clay blue 45 70 Sandstone water	(Unde	r Chapter 237	Montan	a session	11aws, 150	i, as anuch	idea)
45 70 Sandstone water 70 75 Shale	OwnerKe.	ttering B	rQa	Addre	ss.Ghrisi	tina,M	ontana
 	Driller G	orse C.	Single	YAddre	ss.Lewist	town. K	ontana
	Date of Noti	ice of appropr	iation of	groundwa	ter	ione	
	Date well st	arted June!	6,1970	Date	, ompleted	June 1	0, 1970
		n Drilled					
And the college	(I Water use:	On g, driven, b or Domest		ed) unicipal [ary or other) rigation 🔲
		Industri	al [] I	Prainage	Ot	her 🗌	
	met with in	on the diagra drilling, such	as soil, cl	lay, shalc,	gravel, roo	ck or sand.	, etc. Show
	strata and h	ch water is en eight to whicl	countered h the wat	er rises in	s and charant the well.	acter of wa	iter-pearing
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Filed for record	SW145/-Sec	.29 T.19 R ation of well	ZZ	rs, type of	shutoli)		••••
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Show exact depth of bottom.						***************	***************
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This form to be prepared by driller, and three co County Clerk and Recorder in the county in which	opies to be filed b th the well is loca	ny the owner wi ited, tissue copy	to be	Drille	r's License	Number	1)
retained by driller. Please answer all questions. If not applicable,	so state athorn	ring the form w	vill be		r Delignia.	Line	<i>L</i> 4
Please answer all questions. It not applicable, returned.	no monte, otherw	riae one JUTIN V	s WC	Drille	r's Signatu	ire. 🧷	
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State of Montana. County of Fergus.

Filed JUN 1 6 1970 19

12:50 o'closeffed is

Way Cark and Recorder

T 19 R 19

DUPLICATE

County Fergus

ETATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

1	DITH SUDEN, formerly Edith Donie	sthorpe of Stanford
	(Name of Appropriator) County of Judith Basin have appropriated groundwater according	(Address) (Town) State of Montana ng to the Montana laws in effect prior to January 1, 1962. as follows:
	N .	2. The beneficial use on which the claim is based
•	XX .	3. Date or approximate date of earliest beneficial use; and how continuous the use has been 2 wells - 1913 and 1945 continuously
		4. The amount of groundwater claimed (in miner's inches or gallous per minute). all water of said 2 wolls
	8	5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
ind and	cate point of appropriation place of use, if possible, h small square represents 10	6. The means of withdrawing such water from the ground and the
		and the second of the second o
		location of each well or other means of withdrawal
acte	The date of commencement and completed drawal of groundwater	location of each well or other means of withdrawal
7.	The date of commencement and completed drawal of groundwater	location of each well or other means of withdrawal
7. 8.	The date of commencement and completed drawal of groundwater 1913 and The depth of water table 10 - 12 for	location of each well or other means of withdrawal
7. 8.	The date of commencement and completed drawal of groundwater 1913 and The depth of water table 10 - 12 for	location of each well or other means of withdrawal
7. 8. 9.	The date of commencement and completed drawal of groundwater 1913 and The depth of water table 10 - 12 for	location of each well or other means of withdrawal. pump tion of the construction of the well, wells, or other works for withdrawal. eet size and depth of each well or the general specifications of any other tor. The pump toy pump
7. 8. 9.	The date of commencement and completed drawal of groundwater	location of each well or other means of withdrawal parametric para

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is

Signature of Owner.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

Dec. 27, 1963

Date ...

State of Montana. County of Forgus. ss.

Filed DEC 27 1963 19

at 4:45 o'clock I.M.

Way Kather

County Clerk and Recorder

GW 2	15124		DECE	Spot Form	וח		Montana—390	
DUPLI			UU AUG 1	4 1963	ン			
20111			STATE	NETATE				
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	(200		Approp	riation	by Mo	eans b	AWell	GINEEL
	10.00il		(Under Ch	•			vs, 1961)	
_		Owner	dith Donisth	orpe Sud	en Addres	Stanf	ord, Mon	tana
	17 Claux Sone		Muss				att	
-		~	Notice of Appro					
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		ze of rilled	Size and Weight of	From (Feet)	To (Feet)		PERFORATION	
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		Di	scharge in gal. r	er min. of	flowing w	ell	····	
	w x	E Ho	ow Tested Tas.	eugin	Leng	th of Test	Clean	Dup.
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[SWANE Second TIP RIP	,	***************************************		1411/ (4 4/)2 2-	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
	Indicate location of well and place of use, if possible. Each	1	apx	2		3 ~~ ·		
	small square represents 10 acres		apx	(J. acc	الرين وحصارت يا	grande and	
	Show exact depth of bottom.		* ******* ** *******		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	*******		
					Driller	's License	Number	
					J	1//	eam	-
					Driller	's Signatur	re	4

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

15124 COPY

State of Montana, County of Fergus.

Filed AUG 8 1963 19

at 10: 25 o'clock 9: M.

May Rottly

County Clerk and Recorder

سام شوک

File No. 17234

T 19 R 19

DUPLICATE

STATE OF MONTANA administrator of groundwater code $\Box \dot{\Box}$ OFFICE OF STATE ENGINEER

County lergus

Declaration of Vested Groundwater Rights ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

Albin Anderson	of 109% mast Montana Lewistown
(Name of Appropriator)	(Address) (Town)
· • • • • • • • • • • • • • • • • • • •	State of Montana
have appropriated groundwater accord	ing to the Montana laws in effect prior to January 1, 1962, as follows
N	
	2. The beneficial use on which the claim is based. For house and stock water
E	3. Date or approximate date of earliest beneficial use; and how cont ons the use has been about 1928 use has been continuous
-ake., 32.	4. The amount of groundwater claimed (in miner's inches or gal per minute) 12 gallons per minute
% S/= Sec 3 O T. / 9 R / 9	5. If used for irrigation, give the acreage and description of the late which water has been applied and name of the owner the None
licate point of appropriation I place of use, if possible. Each all square represents 10 acres.	6. The means of withdrawing such water from the ground and the l
	tion of each well or other means of withdrawal rump
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	apletion of the construction of the well, wells, or other works for w
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The depth of water table. 12 f	eet.
The depth of water table. 12 f	eet. ype, size and depth of each well or the general specifications of any o
The depth of water table	eet. ype, size and depth of each well or the general specifications of any of the state of the specification of the state of the specification of the specification of the state of the specification
The depth of water table. 12 for some street works for the withdrawal of groundwater. The estimated amount of groundwater.	eet. ype, size and depth of each well or the general specifications of any onter 8 inch hole, 40 feet deep.
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The depth of water table. 12 for So far as it may be available, the toworks for the withdrawal of groundwater. The estimated amount of groundwater. 12 for the withdrawal of groundwater. 12 for the withdrawal of groundwater. 14 for the log of formations encountered in the log of the log of formations encou	eet. ype, size and depth of each well or the general specifications of any onter 8 inch hole, 40 feet desp. r withdrawn each year 450,000 gallons. the drilling of each well if available not known.
The depth of water table	eet. ype, size and depth of each well or the general specifications of any onter 8 inch hole, 40 feet desp. r withdrawn each year 450,000 gallons. the drilling of each well if available not known.
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The depth of water table	the drilling of each well in carrying out the policy of this act, inclu-

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

COPY

DEC 30 1963

Loi 30 more A.M.

Comery Clark and Form

No. of Administra	•	CONTROL MANAGEMENT AND
Anglesising G	Approved Stock Form -State Pu	blishin, Co., Helena, Montane—42234
File No. 16974		T. 19 R 19
DUPLICATE		County FRIEBELVED
	STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER COL	STATE FNCINCE
De	(Under Chapter 237, Montana Session Laws, 196	
1. Ray 777 d (Name of County of Fero) have appropriated ground	Appropriator) (Address) U.S. State of 777.077 adwater according to the Montana laws in effect pri	(Town) 77.77.2 or to January 1, 1962, as follows:
N	2. The beneficial use on which the class of the second of Sa.	laim is based. It & K Water, rde 77 1881 8 ation
*		liest beneficial use; and how continu- CONTYNOUSLY CUSLY aimed (in miner's inches or gallons 11 2 9 1 1 0 715 12.777.
5W 24 Sec. 30 T. 19	5. If used for irrigation, give the to which water has been appli	acreage and description of the lands ed and name of the owner thereof
Indicate point of appropand place of use, if possible small square represents 10	oriation Each acres 6. The means of withdrawing such	water from the ground and the loca- of withdrawal
7. The date of commendate of groundwate	cement and completion of the construction of the wear 1918 770 EX 301 42185.	ell, wells or other works for with, 1950 770 V. To Feb
8. The depth of water tak	ole 20 feet	
9. So far as it may be works for the withdraw	available, the type, size and depth of each well or the val of groundwater 1918 HfT. diam. diameter, 30ft. deep	

10. The estimated amount of groundwater withdrawn each year 1,000,000 8 d/1275

11. The log of formations encountered in the drilling of each well if available dirt & gravel To Sa. 77 d. 100 0 1

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record 77.6

Signature of Owner Reyman Thomson Date 12/20/63

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of 11391 Mines and Geology, and Quadruplicate for the Appropriator.

COPY

Filed DEC 20 1953

Filed DEC 20 1953

Of 2:15 O'clock P. M.

May Pather

They Clerk and Recurrent

2:25

Approved Sinck Form—State Publishing Co. Helena, Montana—19089 & 23 16553 DUPLICATE County..... STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER Declaration of Vested Groundwater Rights STATE ENGINEET (Under Chapter 237, Montana Session Laws, 1961) Section of the Contract of the section of the secti (Name of Appropriator) (Address) State of have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows: 2. The beneficial use on which the claim is based...... 11) House and Stock Water P. 4. The amount of groundwater claimed (in miner's inches or gallons 100 per minute)..... 1210 5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof the state of the s NW 45E sec 32 T. 19 R.19 Indicate point of appropriation and r'ace of use, if possible. 6. The means of withdrawing such water from the ground and the Each mall square represents 10 location of each well or other means of withdrawal..... 8. The depth of water table (1) 60 FC

9.	So far as it may be available, the type, size and depth of each well or the general specifications of any othe works for the withdrawal of groundwater.
10.	The estimated amount of groundwater withdrawn each year 45 CCC g. 1 (1) 75,000 75 1.
	The log of formations encountered in the drilling of each well if available
	from the state of the state of say
12.	Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record
	reference to book and page of any county record

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Signature of Owner & tell 712 Southel

Date Marie Date

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

15553 COPY

Filed DEC 3 1963

Filed DEC 3 1963

Filed County Clock P. M.

County Clerk and Recorder

File No.

т 19 ... к 19

DUPLICATE

County Fergus

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

KENNETH ARNTZEN (Name of Appropriator	(Address) (Town)
County of Fergus	State of Montana laws in effect prior to January 1, 1962, as follows:
N	2. The beneficial use on which the claim is based stock water and demestic use
	3. Date or approximate date of earliest beneficial use; and how continuous the use has been approximately 1940 - continuously
F	4. The amount of groundwater claimed (in miner's inches or gallor
	per minute). full capacity of la inch pipe
5	5. If used for irrigation, give the acreage and description of the land to which water has been applied and name of the owner there not used for irrigation
14.1/4 Sec. 33 T. 19. R.19	
edicate point of appropriation and place of use, if possible. Each nall square represents 10 acres.	6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.
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Loi Do octock A.M.
Chen Pathler
County Clerk und Recorder

200 pt.

File No.

Approved Strick Form-State Publishing Co., Helina, Montana -- 2234 County.

DUPLICATE

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER

		Vested Groundwater R r 237, Montana Session Laws, 1961)	ights ENGINEE!
7 Å	(Name of Appropriator)	Te of the to	ete f
4	(Name of Appropriator)	(Address) 🖟	(Town)
U	ounty of ave appropriated groundwater according	State of	
г	, , , , , , , , , , , , , , , , , , ,	. The beneficial use on which the claim	is hazad
- 1		The delication and on which the cities	
].	3	. Date or approximate date of earliest	honeficial uses and how continu-
		ous the use has been	
"	1		
	4	The amount of groundwater claims per minute) 10 gallons	ed (in miner's inches or gallons
Loi	7. Block 5. Tomship of 4. Sec 9 T. R.Christins.	If used for irrigation, give the acre to which water has been applied a screen of lawn inmedia will	and name of the owner thereof
Indi	cate point of appropriation		
and	piace of use, if possible. Each Il square represents 10 acres.	. The means of withdrawing such wat	er from the ground and the loca-
		tion of each well or other means of w	
		jet electric group About	
7.		ion of the construction of the well,	wells, or other works for with-
8.	The depth of water table 49 foct w	mall weter now 12 feet fr	om surfice
9.	So far as it may be available, the type, works for the withdrawal of groundwater	size and depth of each well or the g	eneral specifications of any other
	The second section of the second seco		
		The second secon	the desired property of the second section of the second s
10.	The estimated amount of groundwater wi	thdrawn each year 4,256	,000
11.	The log of formations encountered in the	drilling of each well if available NC	me avmilable - obele
			The state of the s
12.	Such other information of a similar natureference to book and page of any county		
			in A foran
			ak. M. Journel
		Date	13/3/1/63

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

17648

State of Morrana.
County of France.
DEC 7 1 1963 FILE DEU 2 1 1300

at 1/30 O'clock & M.

b 3 = Ql. MAY TO THE County Clerk and Recorder

County Turges Twp. 1970 Rge. 30 =

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
3	Pendin Celes Sian Congrega	Trate Valley	1114	_
12_	Portane Back Dingon	Water Ville By	1107	
//	Purtica Reach Densing	Siat Neilley	1109 -	-
15	Parties Las Company	Water New Kong	1108	
19	Wifter Ranch Division	# 75 H	16554	
19	Suche Caith Jamely - Clette Donisthape.	DW4	17183	
23	Penles Dil a Barlongery	nate history	1111	
23	Virtana Kanel Beresie &	Vate Mill Lig	1110	
23	Prestana Ranch Deniser	Wate. Thereof	1106	
23	Prestera Karch Direser	Water Hell Ly	11/6	
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	Vintara Karch Diseason			
13	Revoless oil + Las Congressay	57 lug	1119	

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County	Re	ergua		

WATER WELL LOG

	Peerle Ownerkytana		Gas Compa		1		Club Bidg.
	Driller 4. L.	Livingato) (Sk		Address	innett, Ho	tans
X	Date Started			,	Date Comp	leted	
	Location: Sec	зт.	73	z. 20 ¼	sec. EasE	<u>.</u>	*****************
Type of well	(Dug, driven, bored.	or drilled)	Equipn	nent used	(Churn	drill, rotary, othe	r)
Water use: Domestic		Municipal		Stock		Irrigation	
Industrial		Drainage		Other:			
Casing:	ft. to	ft.	Туре	•••••	Size	•••••••••••••••••••••••••••••••••••••••	····
Casing:	ft. to	f t.	Туре		Size		
Casing:	ft. to	tt.	Туре		Size		***************************************
Perforated or Screened	: Ft	to ft		Ft		to ft	
Type of screen or perfor	ations					***************************************	***************************************
Static Water level, for n	on-flowing well:			······································			feet.
Shut-in pressure, for flo	wing well:	•••••	lb.	/sq. in. on:		(date)	•••••••
Pumping water level	••••••	feet	at		ga1.	per min	
How tested:	.,,.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		****************				
Length of test	***************************************			************			
Remarks: (Gravel paci	king, cementing,	packers, t	ype of shut	off, depth	of shut-off)		
	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	***************************************					•••••
					•••••		· · · · · · · · · · · · · · · · · · ·
		***************				************************	••••••
				·····	·····		·····
		***********	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				•••••
			(over)				

T. U. BOX 031
Timett, Monthea

morse Ranch Wall No. \$ Log

1---74 surface coll and streaks of gravel
14--75 dark shale
17--10 shells and light clayer soft sandy shale
110-100 fine rait and pepper sand, streaks of shale and shells
190-170 light clayer sand
170-170 light clayer sand
170-175 gray clayer shale and streaks of sand and coal
155-165 medium hard gray sand
155-162 medium soft gray sand, medium coarse, hard streaks
100-103 hard lime shell
103-220 dark gray sand, atteaks of firm shale and lime
200-145 sand and shale, streaks of lime and coal
245-255 dark shale, streaks of lime and coal
255-265 various colored shale and streaks of coal
255-330 soft gray shale and streaks of muddy shale
358-400 various colored shales
400-420 brown and gray muddy shale
420-455 soft gray sand
450-472 various colored shales
470-479 soft gray sand
470-491 soft gray sand brown shale and coal streaks
440-560 firm dark gray sand green shale
140-560 firm dark gray sand green shale
150-624 gray and brown shale
674-679 gray sand
679-565 various colored shales

Num 655 feet of 42 0.0. Il lb. casing. Halliburton cemented same with 38 sacks from 465 feet up. Chaing perforated from 491 feet to 540 feet and from 560 to 605 feet and from 622 to 674 feet. Tell flowing 10 gallons per minute.

1114 COPY

#/==p1.

Driller - Cottrell, Roy, Montage.

Leastion - South side of martineet pasteries

Township 19, Room 20, Scotion %

Sime of hole - 5 imphas

Sime of making - 4 imphas ID

Doubth of hole - 632 feet

Casing - 408 feet

Occumented - You

Rests of flow - 15 gale per minute.

Location: S	ec. 10 T	19	R 20 1/4 sec.	SW ₌ liW _±	
ype of well (Dug. driven, t		Equip	ment used	(Churn drill, rotary, oth	iet)
ype Of Well (Dug. driven, b	pored, or drilled)			•	
Water use: Domestic	Municipal		Stock XX	Irrigation	
Industrial [Drainage				
Casing:ft. to			Siz		
Casing:ft. to	f t.		Sia		
ft. to			Si		
- Saraened: Ft.	to ft	• • • • • • • • • • • • • • • • • • • •	Ft	to ft	
Type of screen or perforations					feet.
Static Water level, for non-flowing	well:	.,,	······································		
Shut-in pressure, for flowing well:			lb./sq. in. en:	(date)	
Pumping water level	feet	; at		gal. per min	
How tested:	***************************************	***************************************			
Length of test					
Remarks: (Gravel packing, ceme	enting, packers, i	type of sh	nut-off, depth of sr	int-off)	
			• • • • • • • • • • • • • • • • • • • •		
	***************************************	··········			
		*******		***************************************	
			***************************************	***************************************	
			***************************************		******************
***************************************		(over))		



T	19	H	R	20	T-	
Cou	nty	Fei	gus.			

WATER WELL LOG

		AA 7-2 T	en wel	L LUG		Peerless In-	c.
	Prerless Owner Wycana R		Gas Comp vision	-		1670 Denver	Club Bldg.
х	Driller Roy	Cottrel	1	••••••••	. Address	Montana	••••••••••
	Date Storted				. Date Con	pleted194	8
	Location: Sec. 10)r	19	R 20 1/4 s	sec. SWs	NW ₄	•••••••
Type of well	(Dug, driven, bored, or	r drilled)	Equi	rment used	(Chu	m drill, rotary, otl	 ner)
Water use: Domestic		unicipal	 1	1	XX	Irrigation	
Industrial		Orainage		Other:		••••••••	
Casing:	.ft. to	It.	Type	• • • • • • • • • • • • • • • • • • • •	Size		•••••
Casing:	.ft. to	ft	Туре	,	Size		
Casing:	ft. to	ft.	Туре	***************************************	Size		
Perforated or Screened	:: Ft	to ft		Ft		to ft	•
Type of screen or perfor	rations					*****************	***************************************
Static Water level, for n	on-flowing well:						feet
Shut-in pressure, for flo	owing well:		1	b./sq. in. on:		(date)	·····
Pumping water level		feet	at		g	•	
How tested:							••••••
Length of test	·····	***********		***************************************			
Remarks: (Gravel pac	king, cementing, p	ackers, t	ype of shu	it-off, depth o	f shut-of:	D	
***************************************							•••••••
•••••••••••••••••••••••••••••••••••••••	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						******************************
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			(over)				

1107 COPT State of Montana, Courte of Fergus, Filed MIN On which P is

Oney Clerk and Recorder *100 PA.

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T. 19 /	R	20 /	
County Pe	kt sus		

WATER WELL LOG

Driller. Sey Coetrell Address. Hose Land Date Completed 1948 Location: Sec. 11 T. 19 R. 20 1/4 sec. Now. SE/4 Type of well (Churn drill. rotary, other) Water use: Domestic Municipal Stock Irrigation Industrial Drainage Other: Casing: ft. to. ft. Type. Size Perforated or Screened: Pt. to ft. Ft. to ft. Type of screen or perforations. Static Water level, for non-flowing well: How tested: Length of test Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)			& Gas Company Division		Peerless Inc. 1670 Denver Club Bldg. Denver 2, Coloredo
Type of well Equipment used (Churn drill, rotary, other) Water use: Domestic Municipal Stock Irrigation Industrial Drainage Other: Casing: ft. to ft. Type Size Casing: ft. to ft. Type Size Casing: ft. to ft. Type Size Perforated or Screened: Ft. to ft. Ft. to ft. Type of screen or perforations. Static Water level, for non-flowing well: feet at gal, per min. How tested: Length of test		Driller Key Cottrell		Address	Homtans
Type of well (Dug. driven, bored, or drilled) Water use: Domestic Municipal Stock Irrigation Industrial Drainage Other: Casing: ft. to ft. Type Size Perforated or Screened: Ft. to ft. Type Size Static Water level, for non-flowing well: feet at gal, per min. How tested: Length of test	x	Date Started		Date Con	npleted 1948
Water use: Domestic		Location: Sec. 11	T. 19 R	20 1/4 sec. NW4	SB ₂
Water use: Domestic	Type of well		Equipme	ent used	
Industrial Drainage Other: Casing: ft to ft Type Size Casing: ft to ft Type Size Casing: ft to ft Type Size Perforated or Screened: Ft to ft Type Size Perforated or Screened: Ft to ft ft Type Size Static Water level, for non-flowing well: feet at ft feet at gal. per min. How tested: Length of test		(Dug. Griven, bored, or drilled	;		m dru, rotary, other)
Casing:ft toft TypeSize	Water use: Domestic	Municip	al	Stock XX	Irrigation
Casing:ft. toft. TypeSize	Industrial	Draina	ge	Other:	
Casing: ft. to ft. Type Size Perforated or Screened: Ft. to ft. Ft. to ft. Type of screen or perforations. Static Water level, for non-flowing well: feet. Shut-in pressure, for flowing well: lb./sq. in. on: (date) Pumping water level feet at gal. per min. How tested: Length of test.	Casing:	.ft. toft	Туре	Size	
Perforated or Screened: Ft	Casing:	.ft. toft	Туре	Size	
Type of screen or perforations. Static Water level, for non-flowing well: Shut-in pressure, for flowing well: Pumping water level. How tested: Length of test.	Casing:	ft. toft	Туре	Size	
Static Water level, for non-flowing well: Shut-in pressure, for flowing well: Pumping water level How tested: Length of test	Perforated or Screened	: Ft to	ft	Ft	to ft
Shut-in pressure, for flowing well: lb./sq. in. on: (date) Continuous	Type of screen or perfor	ations			
Pumping water level feet at gal. per min. How tested: Length of test	Static Water level, for n	on-flowing well:			feet.
How tested: Length of test	Shut-in pressure, for flo	wing well:	lb./s	sq. in. on:	
Length of test	Pumping water level	······································	feet at	g:	al. per min.
	How tested:				
Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)	Length of test		*************		
	Remarks: (Gravel pac	king, cementing, packer	s, type of shut-c	off, depth of shut-of	f)

<u></u>					
	.,				

Kerne Read Well No. k - 1913

Log of Well

Driller - Cottrell, Boy, Montana.

Location - Needow persure murth of Oottemwood Coules on femos limb, furnishing water to three partures: Tournship 19, Range 20, Section 11.

Sign of bale - 5 imphos

Sim of casing - 4 inshes ID

Depth of bale - 550 feet

Casu - 212 feet

Temested - Yes

Nate of flow - 25 gale, per missate.

COMICSE * 14 4 4 6 10 FILDSFARJAND HARD SAYUMISME FELESPAK AND STONE COAL JAND STONE VERYLINEA STAR STUDIE SEFTER HOU STONE MARI SALL I - IN SOFTER SAND STILL Ŋ NATER VENY BARY SHILL STORE

1109

COPY

State of Montana, County of Fergus. ss.

Filed shay 2 9 1960

R: 00 o'clock ! M.

County Clerk and Recorder

T	19N	R.	20E) 3
Cour	ıty. Fe	rgus		

	WA	TER WELL LOG		Peerless Inc.
	Fuerless Oil Owner Wytana Ranch	& Gus Company Division	Address	1670 Denver Club Bldg Denver 2, Colorado
	P. L. Fergum	ti		Roundup, Montana
	_			pleted August 6, 1953
<u> </u>	Location: Sec	r 19N R 20E	sec	; SEŁ
Type of well	Dug, driven, bored, or drilled)	Equipment used	(Chur	n drill, rotary, other)
Water use: Domestic	Municipal Municipal	Stock	XX	Irrigation Ex
Industrial	Drainage	Other:		
Casing:	ft. toft.	Туре	Size	
Casing:	ft. to	Туре	Size	
Casing:	ft. toft.	Туре	Size	
Perforated or Screened:	Ft to ft.	Ft		to ft
Type of screen or perfor	ations			
Static Water level, for n	ion-flowing well:			feet
Shut-in pressure, for fl	owing well:	lb./sq. in. or	ı:	(date)
Pumping water level	fe	et at	gal	per min
• -				
	king, cenienting, packers,			
Remarks: (Graver pace	king, cementing, packers,	bype of shut-off, depar	01 81140-011	,

	······································		, **************	
		(over)		•••••••••••••••••••••••••••••••••••••••

P. L. Perguson, 1104 First St. E., Soundup, Montane.

Wytana Cattle Company Horse Panch water well location: SE 1 ST 1 Sec. 13, T. 18, R 20E.

Log - Well No. 14

surface e and yellow clay bolders and gravel gravel hard sand water brown shale blue sandy shale 75 light blue sandy shale elada nwowd blue and brown shale and martine for telles sandy shale with breakers of sand sandy water light blue shale scap stone and light blue shale sand water light blue shale brown shale sand streaks hard sandy shale soft sand more water soft blue shale 28C hard dark sand hard send blue shale 3 ft. coal light -lue sandy shale sandy shale parous sand hard of y shale light bits sandy shale soft porous sand water hard sandy shell porcus sand porous sand water

Set 85 ft. of 7 in, casing and cemented it with 20 sacks of cement. Set 495 ft. of 4g in. 3. D. casing 5 ft. off the bottom. Slot perforated 4g in casing from 150 ft. to 170 ft. 215 ft. to 235 ft. 290 ft.to 310 ft. and from 445 ft. to 485 ft. The well was flowing 10 Gal Fer minute at the time of completion.

P. L. Ferguson, Criller

زنع

Aug. 6 - 1953

1119

State of Montana, County of Fer just

at 2:09 o'clock J. M.

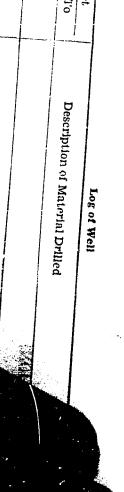
County Clerk and Recorder

*100-gd.

T 19 Y	20 5	•
County Fergus		

WATER WELL LOG Poerless Gil & Cas Company 1470 Denver Club Bldg. Wytens Reach Division Denver 2, Colorado Frank Labort, decoaged хi Date Started Date Completed 1948 Location: Sec. 15 T. 19 R. 20 V sec. SWANE (Dug. driven, bored, or drilled) Type of well..... (Churn drill, rotary, other) Stock XX Irrigation Water use: Domestic Municipal Industrial Drainage Other: Size Casing: ft. to. ft. Type. Casing: ft. to. ft. Type Size Casing: ft. to ft. Type......Size.... Perforated or Screened: Ft...... to ft...... to ft...... to ft...... Type of screen or perforations..... Static Water level, for non-flowing well:.....feet. Pumping water level......gal. per min.....gal. per min..... How tested: Length of test Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

(over)



WAT R WELLS ON HORSE HARCH

Horse Rench Well No. 1 - 1948

Driller - Frank Labort, Lowistons, deceased.

Location - In medies parture south of Cottonwood Coules: Township 19, Names 20, Section 15.

Sign of hole - 5 inshes

Size of easing - h immes ID

Dupth of hole - 550 feet

Case - 334 feet

Commetted - No -- bronze shee.

Auto of flow - 15 dis. per minute.

						Fil	Monitor of l	7N Con		US	27	
			 		-	 					 	
	 ##** - An #	 and the second	 	* 43 (84)		 			 			

Approved Stock Form-State Publishing Co., Heleia, Montana-39089 File No. 16554 TIGH R DOE County Far y or S DUPLICATE STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER Declaration of Vested Groundwater Rights (Under Chapter 237, Montana Session Laws, 1961) STATE ENGINEES 2. The beneficial use on which the claim is based. Stee & the after 3. Date or approximate date of earliest beneficial use; and how continuous the use has been destated the seeks 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof wer copple cable NW 1/4 56 Sec. 14 T 19 R 20 Indicate point of appropriation and place of use, if possible. Each small square represents 10 d. The means of withdrawing such water from the ground and the acres. 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. 8. The depth of water table 30 feet 9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. 10. The estimated amount of groundwater withdrawn each year. 11. The log of formations encountered in the drilling of each well if available. Note to be a first factorial of the drilling of each well if available.

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Signature of Owner

Date 7/00 29, 1463

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record. Not the carrying out the policy of this act, including

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriater.

16554 COPY,

State of Monting, Con ay of hergus.

Filed DEC 3 1963 19

2:15 O'clock C. M.

Charles Clerk and Recorder

200

File No.....

T.....19 R. 20

DUPLICATE

County Fergus

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE

Declaration of Vested Groundwater Rights DEC 3 0 1983

(Under Chapter 237, Montana Session Laws, 1961) STATE ENGINES

Name of Appropriator	(Address) (Town)
have appropriated groundwater acc	ording to the Montana laws in effect prior to January 1, 1962, as follows
N .	2. The heneficial use on which the claim is based
	domestic and stock water
	3. Date or approximate date of earliest beneficial use; and how continuous the use has been 2 aprings - 1925 - continuous
	4. The amount of groundwater claimed (in miner's inches or gallon per minute)
	5. If used for irrigation, give the screage and description of the land to which water has been applied and name of the owner thereo
E 1864 W14 NW.: Sec., 19.: T., 19. R. 20.	140a
dicate point of appropriation	
nch small square represents 10 res.	6. The means of withdrawing such water from the ground and th location of each well or other means of withdrawal
drawal of groundwater1961	natural flow npletion of the construction of the well, wells, or other works for with latest development
drawal of groundwater	npletion of the construction of the well, wells, or other works for with
drawal of groundwater	npletion of the construction of the well, wells, or other works for with
drawal of groundwater	npletion of the construction of the well, wells, or other works for with latest development surface type, size and depth of each well or the general specifications of my other lwaterpit at each spring — small dam
drawal of groundwater	npletion of the construction of the well, wells, or other works for with latest development surface type, size and depth of each well or the general specifications of my other lwaterpit at each spring — small dam
drawal of groundwater	npletion of the construction of the well, wells, or other works for with latest development surface type, size and depth of each well or the general specifications of my other lwaterpit at each spring — small dam
drawal of groundwater	npletion of the construction of the well, wells, or other works for with latest development surface type, size and depth of each well or the general specifications of my other lwater pit at each spring — small dam
drawal of groundwater 1961 The depth of water table. So far as it may be available, the works for the withdrawal of ground. The estimated amount of groundwater.	npletion of the construction of the well, wells, or other works for with lettest development Lurface type, size and depth of each well or the general specifications of my other lwater pit at each spring and dem in the drilling of each well if available.
drawal of groundwater	npletion of the construction of the well, wells, or other works for with latest development surface type, size and depth of each well or the general specifications of my other lwater pit at each spring and lam ter withdrawn each year all springs flow in the drilling of each well if available nature as may be useful in carrying out the policy of this act, including ounty record springs have been in use for many years.
drawal of groundwater	npletion of the construction of the well, wells, or other works for with latest development surface type, size and depth of each well or the general specifications of my other lwater pit at each spring small dem ter withdrawn each year all springs flow in the drilling of each well if available. nature as may be useful in carrying out the policy of this act, including ounty record springs have been in use for many years.
drawal of groundwater	in the drilling of each well if available. Instant as may be useful in carrying out the policy of this act, including ounty record.
drawal of groundwater	npletion of the construction of the well, wells, or other works for with latest development surface type, size and depth of each well or the general specifications of my other lwater pit at each spring well dem the withdrawn each year all springs flow in the drilling of each well if available. have been in use for many years loped

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Envincer; Triplicate to the Montana Buresu of Mines and Geology, and Cuadruplicate for the Appropriator.

17183

State to My equal for

on 4:45 DEC 27 1987

on 4:45 O'cia AP.

County Plathlum

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T. 19	N R	20 🗸	ئرىمىر ى
County	Yergus .		

WATER WELL LOG

		44 59 7 1	DIC VY DIGIT	LOG	Peerless Inc.
		ess Oil & Ranch Di	_	~	1670 Denver Club Bldg. ress Denver 2, Colorado
	Driller W. L.	Livingsto	10	Add	ress
X	Date Started			Dat	e Completed
	Location: Sec	23 T	19	R 20 14 sec.	ENG NW.SE.
Type of well	(Dug, driven, bored	or drilled)	Equip	nent used	(Churn drill, rotary, other)
Water use: Domestic	区	Municipal		Stock	Irrigation
Industrial		Drainage		Other:	
Casing:	ft. to	1t.	Туре	Si	ze
Casing:	ft. to	f t.	Туре	Si	ze
Casing:	ft. to	ft.	Туре	S	ze
Perforated on Screened	: Ft	to ft	********* . ** * ***		to it
Type of screen or perfor	ations				
Static Water level for n	ion-flowing well:		*******		feet.
Shut-in pressure, for flo	owing well:		1b	/sq. ir. on:	(date)
Pumping vater level		fect	t	.,	gal, per min.
How tested:					
Length of test			********	*** ** ··· · · · · · · · · · · · · · ·	The second secon
Remarks: (Gravel pac	king, cementing	, packers, t	ype of shu	-off, depth of sh	ut-off)
,				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
				** *** ********************************	
				·(····································	
		***		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	· · · · · · · · · · · · · · · · · · ·
			(over)		

6 St. Sec. 23 T 19 F 20

Lot of worse to on we like () at ranch to lotings

10 7 ft.

11 to 16 ft.

12 to 35 ft.

13 to 45 ft.

14 to 60 ft.

15 to 100 ft.

16 to 100 ft.

17 to 186 ft.

180 to 201 ft.

201 a 717 ft.

201 a 717 ft.

201 a 707 ft.

201 b 100 ft.

201 to 145 ft.

202 to 300 ft.

203 to 264 ft.

204 to 290 ft.

205 to 405 ft.

206 to 300 ft.

207 smale and streaks of said

208 to 405 ft.

209 smale and streaks of said

200 to 405 ft.

200 soft said (clayey)

201 soft said (clayey)

202 to 405 ft.

203 soft said (clayey)

204 to 405 ft.

205 to 405 ft.

207 smale and streaks of said

208 soft said (clayey)

209 smale and streaks of said

209 smale and streaks of said

209 to 405 ft.

200 soft said (clayey)

200 soft said (clayey)

201 soft said (clayey)

202 to 405 ft.

203 soft said (clayey)

204 soft said (clayey)

205 to 435 ft.

206 soft said (increased water to 30 gal

207 per minute)

208 soft srey said (increased water to 30 gal

209 per minute)

stopped at 2 l feet and ran 199 feet of 6 5/8"). D. 8 round thread casing and cemented same with 20 sacks of cement and got ret rms on cement. Used a 6 5/8" back pressure valve shoe on same cas us. I an 4 1/2"). D. liner fr m 187 feet to 435 feet. Liner perforated fr m 285 feet to 315 ft. and from 450 feet to 435 feet and fr m 420 feet to 435 feet.

Landed 6 5/3" casing so that the top collar is 6 feet below the surface of the ground. Whished well by disging 6 foot cellar and installing 8 5/8" to 2 inch swedge and 2 inch gate valve.